

09/27/2017, 460

**Please replace the paragraph beginning on page 11, line 17, with the following:**

**FIG. [[16D]] 16C** is a flow diagram depicting steps performed during execution of a simulation job within a batch simulation farm in accordance with a preferred embodiment of the present invention;

NB 6/28/17 Please replace the paragraph beginning on page 11, line 17, with the following:

A count event is a sequence of signal values that indicate the occurrence of an event within a simulation model for which ~~it would be advantageous to maintain~~ a count will be maintained. Count events are utilized to monitor the frequency of occurrence of specific sequences within a simulation model. Each instrumentation entity can monitor the target entity for any desired number of count events. Each count event is assigned to a particular signal bit on output port 405. Logic block 402 contains the logic necessary to detect the occurrence of the desired count events and produces an active high pulse on the specified bit of signal 405 when a count event is detected. This count indication is conveyed by means of external signal 408 to instrumentation logic, which contains counters utilized to record the number of occurrences of each count event.

**Please replace the paragraph beginning on page 86, line 1, with the following:**

With reference now to **FIG. [[16B]] 16A**, there is illustrated a batch simulation farm 1601 in which a preferred embodiment of the present invention may be implemented. Batch simulation farm 1601 consists of geographically distant simulation farm nodes 1680a-d. Within these nodes, general-purpose computers 1600a-n are interconnected via local area networks (LANs) 1610a-d. LANs 1610a-d are further connected by means of a wide-area network (WAN) 1690, which provides communication among multiple simulation farm nodes 1680a-d. Those skilled in the art will recognize that many possible network topologies are possible for a batch simulation farm.